

MAR 1987
 WILMINGTON, DE
 NAT'L WEA SER OFC
 AIRPORT TERMINAL BLDG

ISSN 0198-117X



LOCAL CLIMATOLOGICAL DATA Monthly Summary

GREATER WILMINGTON AIRPORT

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13781

MAR 1987
 WILMINGTON, DE

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M. S. L.	WIND (M. P. H.)					SUNSHINE MINUTES	SKY COVER (TENTHS)								
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING ISEASON BEGINS WITH JUL	COOLING ISEASON BEGINS WITH JAN			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FASTEST 1-MIN		PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT						
01	59	41	50	13	49	15	0	2	T	0.27	0.0	29.540	16	7.9	13.2	32	S	23	16			9	10				
02	51	37	44	7	30	21	0		0	0.00	0.0	29.700	28	15.0	15.6	41	NW	29	30			8	6				
03	50	33	42	5	25	23	0		0	T	0.0	30.020	31	9.7	12.0	32	NW	20	31			5	6				
04	36	25	31	-7	18	34	0		0	T	0.0	30.290	33	9.0	9.9	23	NW	16	31			8	5				
05	43	24	34	-4	19	31	0		0	0.00	0.0	30.390	01	3.5	6.6	16	SE	12	36			0	0				
06	52	23	38	0	26	27	0	1	8	0.00	0.0	30.370	24	6.0	6.4	20	SW	16	22			2	3				
07	72	34	53	14	35	12	0	1		0.00	0.0	30.090	26	7.3	8.0	25	NW	16	25			1	1				
08	73*	40	57	18	39	8	0		0	0.00	0.0	29.795	24	6.8	8.0	20	SW	16	24			5	5				
09	63	32	48	9	42	17	0	4		0.01	0.1	29.595	02	4.9	11.0	32	NE	25	02			10	10				
10	35	23	29	-11	2	36	0		0	0.00	0.0	30.130	03	15.9	16.2	39	NE	24	04			5	5				
11	36	19*	28*	-12	7	37	0		0	0.00	0.0	30.370	06	7.8	8.9	18	SE	14	02			10	8				
12	40	31	36	-4	28	29	0		0	T	0.0	30.240	06	10.0	10.4	17	NE	14	05			9	9				
13	47	33	40	-1	24	25	0		0	0.00	0.0	30.090	01	12.5	13.0	25	N	17	36			8	7				
14	46	27	37	-4	16	28	0		0	0.00	0.0	30.070	32	9.1	9.9	18	NW	13	30			5	5				
15	45	33	39	-2	30	26	0	1		0.01	0.1	30.130	07	1.8	5.1	14	SE	9	15			10	10				
16	47	29	38	-4	17	27	0	2	8	0.00	0.0	30.130	01	9.8	11.1	30	N	22	36			2	3				
17	53	27	40	-2	11	25	0		0	0.00	0.0	30.050	33	13.5	14.2	35	NW	23	34			0	0				
18	59	29	44	2	12	21	0		0	0.00	0.0	30.030	34	10.0	10.7	21	NW	16	01			0	2				
19	57	30	44	1	22	21	0		0	0.00	0.0	29.860	35	6.6	8.8	21	N	16	36			1	2				
20	57	31	44	1	24	21	0		0	T	0.0	29.790	35	8.4	11.2	28	NE	18	05			4	4				
21	50	32	41	-3	29	24	0		0	T	0.0	29.740	34	12.0	12.6	29	N	20	34			8	7				
22	58	41	50	6	31	15	0		0	0.00	0.0	29.800	01	9.9	11.5	25	NE	18	04			5	5				
23	66	36	51	7	33	14	0		0	0.00	0.0	29.950	03	5.7	8.3	18	SE	12	15			1	0				
24	68	33	51	6	35	14	0		0	0.00	0.0	29.980	16	1.7	6.7	28	S	21	17			0	1				
25	65	35	50	5	34	15	0		0	T	0.0	29.990	16	8.1	9.2	28	S	18	16			3	4				
26	67	47	57	12	41	8	0		0	0.00	0.0	29.820	29	3.4	8.1	30	NW	17	29			5	4				
27	67	41	54	8	42	11	0	1		T	0.0	29.900	14	2.8	7.5	23	S	17	18			6	6				
28	68	50	59*	13	48	6	0	1		0.19	0.0	29.870	07	4.8	10.0	20	NE	15	02			7	6				
29	66	46	56	10	48	9	0	2	8	0.00	0.0	30.080	17	9.5	9.8	25	S	16	18			4	4				
30	60	50	55	8	51	10	0	1		0.49	0.0	29.830	16	15.0	15.4	37	SE	25	16			9	9				
31	60	33	47	0	44	18	0	1		0.19	0.0	29.460	23	7.1	19.1	44	S	32	28			10	8				
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM							
1716	1045					628	0			1.16	0.2	29.970	35	2.9	10.6	44	S	32	28			FOR	161	155			
AVG.	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.		DATE: 31					DATE: 31	POSSIBLE	MONTH	AVG.	AVG.						
55.4	33.7	44.6	2.8	29.4	-91	0	0	≥ .01 INCH.	6	-2.71										5.2	5.0						
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF												
						TOTAL		≥ 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE												
MAXIMUM TEMP.		MINIMUM TEMP.		4389		0		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS													
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		3		0.67		30-31		0.1		15+									
0		0		14		0		-83		0		CLEAR		10		PARTLY CLOUDY		10		CLOUDY		11					

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Hadden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1987
WILMINGTON, DE

13781

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND		
				WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF			WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %			DIRECTION	SPEED (KNOTS)							
MAR 1st																																		
01	10	3	2	RF	42	42	41	96	08	9	10	85	10					50	47	43	77	27	10	9	60	15			39	33	24	55	23	8
04	10	5	4		47	47	46	96	13	13	10	75	10					48	43	37	66	28	14	7	70	15			37	34	29	73	24	4
07	10	3	1	RF	51	50	49	93	15	20	5	UNL	12					44	39	32	63	27	12	10	50	10			36	33	29	76	18	4
10	10	3	3	LF	51	51	51	100	16	15	10	55	15					46	40	31	56	30	25	2	UNL	10			42	39	34	73	32	6
13	10	2	0	2	50	50	50	100	15	11	10	60	15					46	39	29	52	30	17	5	UNL	10			48	40	30	50	33	14
16	5	UNL	6	F	59	58	58	97	18	8	6	55	15					48	39	26	42	30	18	7	75	15			48	37	20	33	30	12
19	10	75	10		55	50	46	72	31	14	5	0	UNL	15				43	36	24	47	28	10	0	UNL	15			40	33	20	45	34	12
22	10	85	10		51	49	46	83	25	5	0	UNL	15					39	33	23	53	24	5	10	75	15			36	30	19	50	35	14
MAR 2nd																																		
01	2	UNL	15		31	28	21	67	33	11	0	UNL	12					27	25	19	72	34	6	0	UNL	10			28	27	24	85	00	0
04	10	UNL	15		29	26	20	69	34	4	0	UNL	12					26	24	18	72	34	8	0	UNL	10			28	27	24	85	00	0
07	8	55	12		29	27	22	75	32	6	0	UNL	12					25	23	18	75	03	7	0	UNL	6		F	23	23	22	96	30	4
10	6	35	15		34	28	15	46	35	13	0	UNL	15					35	30	19	52	35	9	0	UNL	7			40	35	26	57	26	7
13	9	48	15		35	29	15	44	31	13	0	UNL	15					41	32	16	36	10	3	0	UNL	10			48	39	24	39	22	14
16	8	44	15		35	29	18	50	31	11	0	UNL	15					42	33	17	36	10	3	2	UNL	8			52	41	26	37	22	10
19	0	UNL	12		29	25	17	61	31	8	0	UNL	10					36	31	20	52	32	4	9	UNL	8			47	39	27	46	23	5
22	0	UNL	12		28	25	17	63	35	5	0	UNL	10					32	30	25	75	14	6	9	UNL	10			41	36	29	62	28	4
MAR 3rd																																		
01	4	UNL	10		38	35	30	73	19	4	0	UNL	10					46	42	36	68	00	0	10	90	8			53	49	44	72	17	4
04	2	UNL	8		36	34	32	85	26	4	0	UNL	10					44	41	36	74	24	6	10	90	8			50	48	46	86	03	3
07	3	UNL	6		34	33	32	92	00	0	0	UNL	9					42	39	35	76	05	4	10	70	7			50	49	48	93	18	7
10	0	UNL	7	F	57	48	37	47	25	6	1	UNL	10					61	50	38	43	24	14	10	80	7			58	54	50	75	24	6
13	1	UNL	8		71	54	38	30	29	12	6	UNL	10					73	56	41	32	24	5	10	90	8			60	55	51	72	15	7
16	0	UNL	10		71	54	36	28	25	14	10	250	10					70	55	41	35	26	12	10	44	7			59	51	42	54	02	16
19	0	UNL	10		61	49	37	41	23	10	10	200	10					63	51	38	40	22	6	10	50	4			45	40	32	61	02	15
22	0	UNL	10		53	46	37	55	24	8	10	110	10					58	49	40	51	22	5	10	29	7		IP	35	32	26	70	02	17
MAR 4th																																		
01	10	48	10		31	27	19	61	02	16	3	UNL	15					24	19	3	40	02	8	10	34	10			31	28	22	69	06	7
04	10	60	10		28	22	7	41	04	19	4	UNL	15					20	16	4	50	02	9	10	41	10			33	30	25	73	11	5
07	10	120	15		24	18	-3	30	04	17	6	UNL	15					19	15	2	47	04	10	10	20	10			33	31	26	76	06	7
10	9	UNL	15		25	19	0	34	02	16	10	UNL	15					26	21	5	41	08	9	10	55	8			37	34	28	70	06	10
13	3	UNL	15		31	23	-2	24	04	14	10	UNL	15					32	24	2	28	05	9	10	48	6		S	37	34	30	76	05	10
16	1	UNL	15		34	25	-3	20	04	15	10	250	12					35	26	4	27	09	6	8	50	8			40	36	30	68	09	10
19	1	UNL	15		30	23	2	30	01	9	9	UNL	12					34	28	15	46	12	10	6	85	7			35	33	30	82	07	10
22	0	UNL	15		28	21	-2	27	02	9	10	44	12					31	27	20	64	00	0	10	70	7			35	33	30	82	03	9
MAR 5th																																		
01	10	11	7		35	33	31	85	05	10	0	UNL	10					32	26	14	47	34	10	10	39	6		S	35	33	29	79	30	6
04	10	12	7		33	32	30	89	01	10	0	UNL	10					29	24	13	51	33	10	10	70	7		S	34	31	27	76	32	5
07	10	12	7		33	32	29	85	03	9	0	UNL	12					29	24	14	53	33	8	10	70	4		S	34	33	32	92	02	5
10	10	29	10		36	33	28	73	36	14	0	UNL	12					40	32	16	38	34	8	10	55	7		S	37	34	30	76	04	6
13	7	80	10		46	37	24	42	01	12	8	200	12					45	34	12	26	35	10	10	28	8			42	37	29	60	00	0
16	7	90	10		45	36	21	39	35	12	7	UNL	10					45	34	13	27	31	10	10	50	8			43	37	28	56	13	4
19	1	UNL	10		39	32	18	43	34	9	10	250	10					41	32	15	35	30	8	8	250	8			37	35	32	82	15	7
22	0	UNL	10		36	29	15	42	01	9	10	50	10					37	33	25	62	30	10	10	6	6		F	35	35	34	96	00	0
MAR 6th																																		
01	6	UNL	6	F	34	34	33	96	05	3	0	UNL	15					31	25	11	43	32	8	3	UNL	15			34	26	8	34	33	6
04	10	0	0	4	32	32	32	100	35	5	0	UNL	15					28	23	12	51	31	9	0	UNL	15			30	25	12	47	32	8
07	10	7	2		33	32	31	92	02	7	0	UNL	15					32	26	14	47	34	10	0	UNL	15			32	26	13	45	32	8
10	3	UNL	12	F	39	31	14	36	06	14	0	UNL	15					40	31	13	33	34	14	0	UNL	15			48	37	17	29	35	12
13	1	UNL	15		44	33	13	28	34	14	0	UNL	15					46	34	12	25	31	17	0	UNL	15			54	39	13	20	33	10
16	0	UNL	15		46	33	6	19	36	10	0	UNL	15					52	37	8	17	33	15	2	UNL	15			58	41	11	15	33	11
19	0	UNL	15		39	30	9	29	32	8	0	UNL	15					48	34	6	18	34	14	4	UNL	12			51	37	9	18	01	5
22	0	UNL	15		35	27	10	35	02	9	0	UNL	15					42	31	5	21	36	14	5	UNL	12			44	34	16	32	02	6
MAR 7th																																		
01	4	UNL	10		38	35	30	73	19	4	0	UNL	10					46	42	36	68	00	0	10	90	8			53	49	44	72	17	4
04	2	UNL	8		36	34	32	85	26	4	0	UNL	10					44	41	36	74	24	6	10	90	8			50	48	46	86	03	3
07	3	UNL	6	F	34	33	32	92	00	0	0	UNL	9					42	39	35	76	05	4	10	70	7			50	49	48	93	18	7
10	0	UNL	7		57	48	37	47	25	6	1	UNL	10					61	50															

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1987 13781
WILMINGTON, DE

Main data table with columns for HOUR L.S.T., SKY COVER (TENTHS), CEILING IN HUNDREDS OF FEET, VISIBILITY (WHOLE MILES, 1/16THS MILE), WEATHER, TEMPERATURE (AIR OF, WET BULB OF, DEW POINT OF, REL HUMIDITY %), WIND (DIRECTION, SPEED (KNOTS)), and Sky Cover (Tenths), Ceiling (Hundreds of Feet), Visibility (Whole Miles, 1/16ths Mile), Weather, Temperature (Air of, Wet Bulb of, Dew Point of, Rel Humidity %), Wind (Direction, Speed (Knots)). Data is organized by date from MAR 19th to MAR 31st.

SUMMARY BY HOURS

Summary table with columns: HOUR L.S.T., SKY COVER (TENTHS), STATION PRESSURE (INCHES), TEMPERATURE (AIR TEMP OF, WET BULB OF, DEW POINT OF, REL HUMIDITY %, WIND SPEED (MPH)), and RESULTANT WIND (DIRECTION, SPEED (MPH)).

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1987
WILMINGTON, DE

13781

DATE	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
01	T																								01	
02		0.04	0.06	T	0.08	0.02	0.02	0.01	0.02	0.01	T	0.01							T	T					02	
03						T																			03	
04								T	T																04	
05																									05	
06																									06	
07																									07	
08																									08	
09		T				T																T	0.01	T	09	
10																									10	
11																									11	
12																									12	
13																									13	
14																									14	
15	T	T	T	0.01	T	T	T	T	T	T	T														15	
16																									16	
17																									17	
18																									18	
19																									19	
20																						T	T	T	T	20
21	T																								21	
22																									22	
23																									23	
24																									24	
25																									25	
26																									26	
27																									27	
28		T	0.02	0.06	0.07	0.03	T			T	0.01														28	
29																									29	
30												0.01													30	
31					0.02	0.01	0.02			T	0.03	0.03	0.08	0.02	0.06	0.10	0.02	0.09	0.01	0.08	0.02	T		0.08	31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.06	0.06	0.06	0.07	0.08	0.10	0.10	0.10	0.16	0.16	0.21
ENDED: DATE	31	31	31	31	01	01	30	31	31	30	30	30
ENDED: TIME	1157	1200	1200	1200	0442	0442	1459	1200	1234	1459	1459	1659

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:
DICK WOLF

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